

## Title (en)

A portable near-field communication device

## Title (de)

Tragbare Nahfeldkommunikationsvorrichtung

## Title (fr)

Dispositif de communication portable en champ proche

## Publication

**EP 2717553 A1 20140409 (EN)**

## Application

**EP 13187175 A 20131002**

## Priority

- US 201261709350 P 20121004
- EP 12187142 A 20121004
- EP 13187175 A 20131002

## Abstract (en)

An embodiment of the present invention may be deployed in a mobile payment device configured to communicate with a payment terminal via an RF near-field communication channel. The payment device comprises a sensor to detect and log usage parameters corresponding to behaviours of the user of the payment device. Sensors may take the form of any from movement sensors, light sensors or orientation sensors for example. In order to prevent inadvertent execution of a payment instruction from the terminal, the log of parameters created due to the user's behaviours is compared with a predetermined set of parameters compatible with a user's expected behaviours should he be intentionally performing payment behaviours and payment is only authorised if a match is achieved.

## IPC 8 full level

**G06K 19/073** (2006.01); **G06Q 20/32** (2012.01); **H04M 1/72412** (2021.01)

## CPC (source: EP US)

**G06Q 20/322** (2013.01 - EP US); **G06Q 20/3278** (2013.01 - EP US); **G06Q 20/401** (2013.01 - EP US); **G06Q 20/4016** (2013.01 - EP US); **G06Q 20/407** (2013.01 - EP US); **H04M 1/72412** (2021.01 - EP US); **H04M 2250/04** (2013.01 - EP US); **H04M 2250/12** (2013.01 - EP US)

## Citation (applicant)

- EP 2315170 A1 20110427 - NOKIA CORP [FI]
- US 2007040030 A1 20070222 - KRANZLEY ARTHUR [US], et al
- US 2008256642 A1 20081016 - HACHEY JOHN [US]
- US 2010207730 A1 20100819 - BOURSIER CARINE [FR], et al
- US 2009075592 A1 20090319 - NYSTROM SEBASTIAN [FI], et al
- US 2008211622 A1 20080904 - RINDTORFF KLAUS [DE], et al

## Citation (search report)

- [XYI] EP 2219140 A1 20100818 - OBERTHUR TECHNOLOGIES [FR]
- [YDA] US 2010207730 A1 20100819 - BOURSIER CARINE [FR], et al
- [YD] EP 2315170 A1 20110427 - NOKIA CORP [FI]
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CN109074585A; CN106651352A; CN106296194A

## Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

## Designated extension state (EPC)

BA ME

## DOCDB simple family (publication)

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## DOCDB simple family (application)

**EP 12187142 A 20121004**; EP 13187175 A 20131002; US 201314046552 A 20131004